AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

- 1.-21. (canceled)
- 22. (currently amended) A computer-readable medium with executable instructions for performing the steps of:

receiving a signal from a sensor, the signal comprising positional variables selected from the group consisting of the relative angular position of a towing vehicle and a towed item, a position of a rearview mirror, a distance from the rearview mirror and an attachment point, and a distance from the attachment point to an axle of a trailer; [and]

correlating the positional variables using at least one of routines and lookup tables;

generating a control signal based on the correlating step, the generated control signal including positioning data to position the rearview mirror; and supplying the control signal to a rearview mirror positioning device, the rearview mirror being positioned based on the supplied control signal.

- 23. (original) The computer-readable medium of claim 22, further comprising performing the step of displaying the relative angular position in degrees or radians.
- 24. (new) The computer-readable medium of claim 22 wherein the receiving step includes detecting directional and rotational information by a detector.
- 25. (new) The computer-readable medium of claim 24 wherein the receiving step includes receiving the signal as quadrature encoded signal.
- 26. (new) The computer-readable medium of claim 25 wherein the quadrature encoded signals are used to calculate rotational direction and angular displacement.

- 27. (new) The computer-readable medium of claim 22 further including switching between a manual and an automatic control of the rearview mirrors.
- 28. (new) The computer-readable medium of claim 22 further including adjusting operation of the method to account for trailers of different lengths.
- 29. (new) The computer-readable medium of claim 28 wherein the adjusting step includes.

relating the trailer length to slopes which represent the linear relationship between the encoder rotation and the mirror rotation.

- 30. (new) The computer-readable medium of claim 22 further including, setting an alarm which is triggered as the pivoting mechanism reaches a maximum allowed angle.
- 31. (new) The method of claim 22 further including rotating at least one of the rearview mirrors a pre-selected angle, when energization of one of a left or right turn signal is sensed.
- 32. (new) A method of positioning rearview mirrors for a tractor-trailer combination, wherein the tractor and trailer are connected via a pivoting mechanism which permits pivoting between the tractor and the trailer, the method comprising:

detecting a relative position of the tractor and the trailer, while they are connected, based on a feedback signal of an encoder affixed at a position on the tractor of the tractor-trailer combination which permits the encoder to detect angular change between the tractor and the trailer;

correlating, by a microprocessor, the angular change between the tractor and the trailer;

generating, by the microprocessor, a rearview mirror positioning signal; supplying, by the microprocessor, the rearview mirror positioning signal to a rearview mirror control mechanism; and

operating the rearview control mechanism to position the rearview mirrors, in accordance with the rearview mirror positioning signal.

- 33. (new) The method of claim 32 wherein the correlating uses information related to at least one of a length and width of the trailer, a weight of the trailer, a trailer's axle width, a position of the encoder, a position of a fifth wheel plate on the tractor, or a position of the trailer's axes.
- 34. (new) The method according to claim 32, wherein the detecting step includes detecting directional and rotational information.
- 35. (new) The method of claim 32, wherein the detecting step includes generating encoded signals by the encoder, the encoded signals being quadrature encoded signals.
- 36. (new) The method of claim 35, wherein the quadrature encoded signals are used to calculate rotational direction and angular displacement.
- 37. (new) The method of claim 32 further including switching between a manual and an automatic control of the rearview mirrors.
- 38. (new) The method of claim 32 further including adjusting operation of the method to account for trailers of different lengths.
- 39. (new) The method of claim 38 wherein the adjusting step includes, relating the trailer length to slopes which represent the linear relationship between the encoder rotation and the mirror rotation.
- 40. (new) The method of claim 32 further including, setting an alarm which is triggered as the pivoting mechanism reaches a maximum allowed angle.
- 41. (new) The method of claim 32 further including performing a calibration step prior to the detecting step, wherein the calibrating includes,

zeroing out all existing positional data;

detecting angular movement of the tractor, the angular movement corresponding to an operator indirectly viewing an end of the trailer via the rearview

mirror; and

generating calibration data, wherein the calibration data is stored and reusable.